

Indian Institute of Technology Delhi
Centre for Energy studies

Date : 25-11-2011

Sealed quotations (**Technical and Financial, in separate appropriately marked envelopes**) for a **Stylus Surface Profiler** are invited with all the details about the equipment in published form as well as that available on the manufacturer website, terms & conditions and educational offers. The specifications of the **Surface Profiler** are mentioned below. The sealed quotations should reach the address mentioned below latest by 5:15 pm on Monday, 12-12-2011.

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Specifications of the Surface Profiler


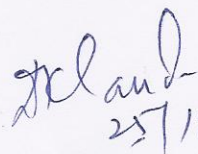
1. Vertical Range and Resolution :	up to 1mm (or better), with resolution $\sim 1 \text{ \AA}$ in micron range.
2. Scan Length :	55mm or better (200 mm or better with scan stitching), with 110,000 or more data points per scan
3. Step Height Repeatability :	5 \AA or better
4. Stylus Sensor & Force :	Low inertia sensor and low stylus force (down to 0.03mg.), with easy stylus head replacement feature
5. X-Y Sample Positioning :	Motorized/Programmable X-Y translation with automated capabilities at an unlimited number of locations
6. Sample Stage :	200 mm diameter vacuum chuck with wafer alignment pins
7. Sample Viewing :	High definition colour video microscope
8. Computer based operation :	Hardware and software for automated operations of different components . Data analysis for 2D surface profile measurements and possibility of 3D measurements and analysis

Demonstration of unambiguous and clean measurement of the thickness of 20 nm for soft and solid films is required.

Calibration standards with certification should be provided.

Vibration free table should be quoted for as an option.

Spare parts for maintenance purpose may also be quoted.

 
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Terms and Conditions:

1. The financial quotation should be for F.O.B. price of the equipment with 3 months validity. The other terms of payment should be clearly specified .
2. Payment will be done after successful installation of the equipment at IIT Delhi.
3. If the equipment is a propriety item, then please enclose the propriety item certificate.
4. The warranty period should preferably be for 3 years.
5. The institute reserves the right to reject or accept any quotation without assigning any reasons.

gklands
25/11/2011

Viresh Dutta
(Viresh Dutta)